

FIG.2

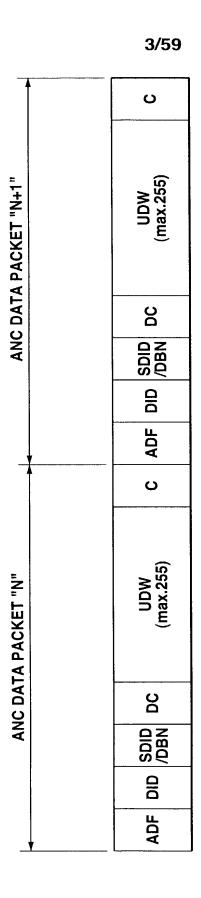


FIG.3

SMP	TE la	abel						DESCRIPTION	Value Length	Value Range
01	00	00	00	00	00	00	00	CLASS 1 ID AND LOCATOR		
01	01	00	00	00	00	00	00	GLOBALLY UNIQUE ID		
01	01	01	ХX	Null	Null	Null	Null	UMID VIDEO		
01	01	02	ХX	Null	Null	Null	Null	UMID AUDIO		
01	01	03	ХX	Null	Null	Null	Null	UMID DATA		
01	01	04	хx	Null	Null	Null	Null	UMID SYSTEM		
01	01	10	00	00	00	00	00	INTERNATIONAL BROADCASTING STATION ID		
01	01	10	01	00	00	00	00	ORGANIZATION CATEGORY	127 bytes max.	
01	01	10	03	00	00	00	00	PROGRAM ID		
01	01	10	03	01	00	00	00	UPID		
01	01	10	03	02	00	00	00	UPN		
01	01	10	04	00	00	00	00	MEDIUM ID		
01	01	10	04	01	00	00	00	SAME AS LINE 64		
01	01	10	04	01	00	00	00	EBU ID NO		
01	01	11	00	00	00	00	00	ISO ID		
01	01	11	01	00	00	00	00	ISO AUDIO VISUAL NO.		
01	01	11	02	00	00	00	00	ISO BOOK NO.		
01	01	11	03	00	00	00	00	ISO SERIAL NO.		
01	01	11	04	00	00	00	00	ISO MUSICAL WORK CODE		
01	01	11	05	00	00	00	00	ISO PRINTED MUSIC NO.		
01	01	11	06	00	00	00	00	ISO COMMERCIAL ID		
01	01	11	07	00	00	00	00	ISO RECORDING CODE		
01	01	11	08	00	00	00	00	ISO REPORT NO.		
01	01	11	09	00	00	00	00	ISO GLOSSARY		
01	01	11	0A	00	00	00	00	ISO TEXTUAL WORK CODE		
01	01	13	01	00	00	00	00	DIGITAL OBJECT ID		
01	01	14	00	00	00	00	00	COMPOSITE ID		
01	01	14	01	00	00	00	00	SERIAL ITEM AND CONTRIBUTION ID		
01	01	14	02	00	00	00	00	BOOK ITEM AND COMPONENT ID		
01	01	14	03	00	00	00	00	AUDIO VISUAL ITEM AND COMPONENT ID		
01	01	14	04	00	00	00	00	DESTINATION ID		
01	01	15	00	00	00	00	00	SAME AS LINE 66		
01	01	15	01	00	00	00	00	INTERNET GLOBALLY UNIQUE ID		

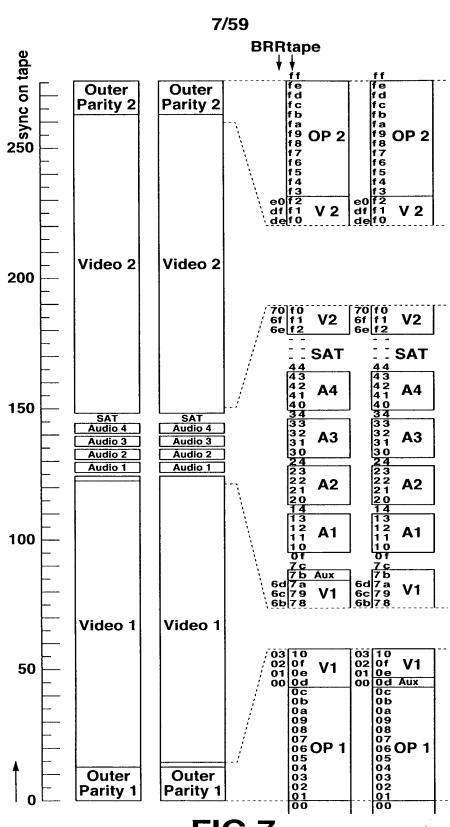
FIG.4

SMP	TE la	hel						DESCRIPTION	Value Length	Value Range
01	03	02	02	00	00	00	00	SLOT ID	4 bytes	· · · · · · · · · · · · · · · · · · ·
01	03	02	03	00	00	00	00	OBJECT TEXT ID	i bytes	
01	03	02	03	01	00	00	00	GROUP NAME	variable	
01	03	02	03	02	00	00	00	SLOT NAME	variable	
01	03	02	03	03	00	00	00	OBJECT NAME	variable	
01	04	05	00	00	00	00	00	LOCAL LOCATOR	Variable	
01	04	05	01	00	00	00	00	LOCAL MEDIUM LOCATOR		
01	04	05	01	01	00	00	00	LOCAL FILE PASS	127 bytes max.	
01	04	05	03	00	00	00	00	FILM LOCATOR	. z. sytto max	
01	04	05	03	01	00	00	00	EDGE CODE	32 chars max.	
01	04	05	03	02	00	00	00	FRAME CODE	32 chars max.	
01	04	05	03	03	00	00	00	KEY CODE	4 bytes	
01	04	05	03	04	00	00	00	Ink NO	32 chars max.	
01	04	05	03	05	00	00	00	SEGMENT START CODE	8 bytes	
01	04	10	00	00	00	00	00	PROXY LOCATOR		
01	04	10	01	00	00	00	00	PROXY TEXT	127 bytes max.	
01	04	10	02	00	00	00	00	PROXY FRAME	127 bytes max.	
01	04	10	03	00	00	00	00	PROXY SOUND	127 bytes max.	
01	04	10	04	00	00	00	00	KEY DATA	127 bytes max.	
01	04	11	00	00	00	00	00	HANDWRITE		
01	05	11	01	00	00	00	00	HANDWRITTEN NAME	variable	
01	05	01	00	00	00	00	00	TITLE		
01	05	01	01	00	00	00	00	TITLE TYPE	127 bytes max.	
01	05	01	02	00	00	00	00	MAIN TITLE	127 bytes max.	
01	05	01	03	00	00	00	00	SUB TITLE	127 bytes max.	
01	05	01	04	00	00	00	00	SERIES NO.	32 chars max.	
01	05	01	05	00	00	00	00	EPISODE NO.	32 chars max.	
01	05	01	06	00	00	00	00	SCENE NO.	32 chars max.	
01	05	01	07	00	00	00	00	TAKE NO.	2 bytes	
01	10	00	00	00	00	00	00	OWNER		
01	10	01	00	00	00	00	00	OWNER UNDER CISAC		
01	10	01	01	00	00	00	00	CONTACT PERSON		
01	10	02	00	00	00	00	00	ID UNDER AGICOA		

FIG.5

SMP	TE la	abel						DESCRIPTION	Value Length	Value Range
04	01	01	00	00	00	00	00	VIDEO'S BASIC CHARACTERISTIC	-	
04	01	01	01	00	00	00	00	VIDEO SOURCE DEVICES AND APPARATUSES	32 chars max.	
04	01	01	02	00	00	00	00	OE CONVERSION METHOD		-
04	01	01	02	01	00	00	00	GAMMA CHARACTERISTIC		
04	01	01	02	01	01	00	00	GAMMA FORMULA	4 chars max.	See types dictionary
04	01	01	02	01	02	00	00	GAMMA	8 bytes	
04	01	01	02	02	00	00	00	BRIGHTNESS COMPUTATION	4 chars max.	See types dictionary
04	01	01	02	03	00	00	00	COLORIMETRI CODE	4 chars max.	See types dictionary
04	01	01	03	00	00	00	00	SCANNING INFORMATION		
04	01	01	03	01	00	00	00	COMPONENT SEQUENCE	4 chars max.	See types dictionary
04	01	01	03	02	00	00	00	COLOR FRAME INDEX	1 bytes	00h=default,01h-07h=field number
04	01	01	03	03	00	00	00	VERTICAL RATE	1 bytes	See types dictionary
04	01	01	03	04	00	00	00	FRAME RATE	1 bytes	See types dictionary
04	01	01	04	00	00	00	00	ASPECT RATIO	1 bytes	See types dictionary
04	01	01	00	01	00	00	00	NO. OF LINES		
04	01	01	01	01	01	00	00	TOTAL NO. OF LINES/FRAME	2 bytes	
04	01	01	02	01	02	00	00	ACTIVE LINES/FRAME	2 bytes	
04	01	01	03	01	03	00	00	LEADING EDGE	4 bytes	
04	01	01	04	01	04	00	00	TRAILING EDGE	4 bytes	
04	01	01	04	02	00	00	00	ASPECT RATIO STANDARD	-	
04	01	01	04	02	01	01	00	ASPECT RATIO		
04	01	01	04	02	01	01	01	IMAGE ASPECT RATIO	1 bytes	
04	01	01	04	02	01	01	02	SAME AS ABOVE	8 bytes	
04	01	01	04	02	01	02	00	ASPECT RATIO BY SENSOR	1 bytes	See types dictionary
04	01	01	04	02	02	00	00	STORAGE HEIGHT	4 bytes	
04	01	01	04	02	03	00	00	STORAGE WIDTH	4 bytes	
04	01	01	04	02	04	00	00	SAMPLE HEIGHT	4 bytes	
04	01	01	04	02	05	00	00	SAMPLE WIDTH	4 bytes	
04	01	01	04	02	06	00	00	SAMPLE X OFFSET	4 bytes	
04	01	01	04	02	07	00	00	SAMPLE Y OFFSET	4 bytes	
04	01	01	04	02	08	00	00	DISPLAY HEIGHT	4 bytes	
04	01	01	04	02	09	00	00	DISPLAY WIDTH	4 bytes	
04	01	01	04	02	0A	00	00	DISPLAY X OFFSET	4 bytes	

FIG.6



 $\{e^{-2b}_{p,l,k}\}P_{k}$

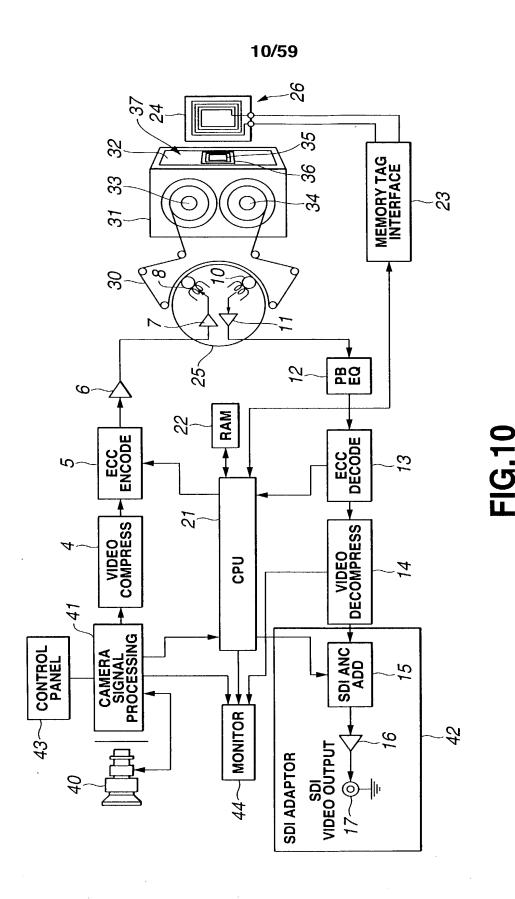
FIG.7

Category	Data No.	Byte Count	Assignment
1	D0> D33	34	Activity Map
	D34> D35	2	Reserved
2	D36> D39	4	VITC TC
	D40> D43	4	VITC UB
	D44	1	Check Sum of VITC
	D45	1	Reserved
3	D46> D47	2	REC ID
	D48> D51	4	Reserved
4	D52> D53	2	Model Name
	D54> D56	3	VTR Serial No.
	D57	1	Destination
5	D58> D61	4	Date of Recording
6	D62	1	VTR status
	D63> D67	5	Reserved
7	D68> D125	58	Reserved
8	D126> D169	44	Meta-data
9	D170> D215	46	Reserved
10	D216	1	Not Used

FIG.8

Category	Assignment	Data No.	DESCRIPTION
2	VITC TC	D36> D39	VITC TC data
			D36:Frame D37:Second D38:Minute D39:Hour
	VITC UB	D40> D43	VITC TC data
			D36:Frame D37:Second D38:Minute D39:Hour
	Check SUM	D44	VALUE RESULTED FROM INTEGRATION OF D36 TO D43 AND INVERSION OF INTEGRATED VALUE
3	REC_ID	D46,D47	REC_ID=Sec+Min+Hour+0x0011 +(VALUE RESULTED FROM LEFTWARD SHIFT BY 8 BITS OF FRAME COUNTER)
4	Model Name	D52,D53	
	VTR Serial No.	D54> D56	Serial No.
	Destination	D57	
5	Date of Recording	D58> D61	
6	VTR status	D62	INFORMATION ON RECORDING FREQUENCY AND NUMBER OF LINES
			B0:EXISTENCE OR ABSENCE OF 0.1% WITH RESPECT TO Frame FREQUENCY
,			0:0.1% ON 1:0.1% OFF
			B1:NUMBER OF VALID LINES
			0:1035 1:1080
			B2:SELECTION OF SDI OR SDTI
			0:SDI 1:SDTI(DUB)
	•		B4,B3:Frame FREQUENCIES
			00:30Hz
			01:25Hz
			10:24Hz
			B5:SELECTION OF Interlace OR PsF
			0:Interlace 1:PsF
			RELATION BETWEEN B5,B4,B3 AND B0 AND SYSTEM FREQUENCY
			B76543210
			XX000XX0 59.94i
			XX000XX1 60i
			XX001XX1 50i
			XX100XX0 29.97PsF
	1		XX100XX1 30PsF
			XX101XX1 25PsF
			XX110XX0 23.98PsF
			XX110XX1 24PsF

FIG.9



1.60

٠,٠,٠

11/59

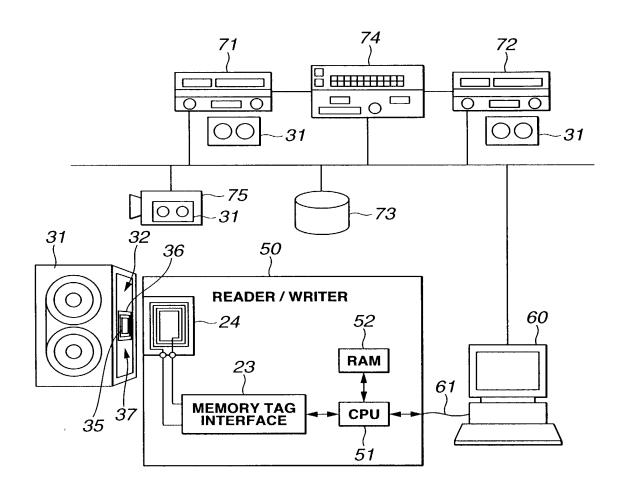


FIG.11

12/59

-
Memory Management Table
Manufacture ID Table
Format Definition Table
Common Area

13/59

Offset Address (Byte)			
0	Memory_size		04h
-		(Hamming 8/4 code)	00h
2	Manufacture_code	MANUFACTURER	03h
က		(Hamming 8/4 code)	00h
4	Version	VERSION	01h
5	Lot_number		
9			
7	Reserve	00h	00h
8	Application_id	APPLICATION (01h Read/Write Media)	01h
თ		(Hamming 8/4 code)	
10	Media_id	LABEL SHAPE	82h
7		(Hamming 8/4 code)	00h
12	Application_id	Reserve	00h
13	Dependent Field		00 00
13			00h
13			00h

14/59

Offset Address 0	MSB 7 Reserve	9	5 Merr	4 3 2 1 Aemory_size=(bit0 \sim bit6) \times 256Bytes	3 (bit0~bit	2 .6)× 256B	1 ytes	LSB
-				90	00h			

FIG.14

Offset Address 5	MSB 7	9	S <day></day>	4	က	2	1 <month< th=""><th>LSB 0</th></month<>	LSB 0
9	۸			<ye< th=""><th>(ear></th><th></th><th></th><th>9</th></ye<>	(ear>			9

Offset Address (Byte)		
0	VIDEO SOURCE DEVICE ID	2 DIGITS (BCD) (VIDEO SOURCE DEVICE ID AT MANUFACTURER)
1	ID	HUNDRED THOUSANDS AND TEN THOUSANDS (BCD)
2	ID	THOUSANDS AND HUNDREDS (BCD)
3	ID Reserve	TENS AND ONES (BCD)
4	Reserve	Reserve 00h
5	(FIXED VALUE)	7Fh,02h,00h,00h,01h,05h,20h,OFFh,OFFh,OFFh,
6		OFFh
7		
8		
9		
10		
11		
12		
13		
14		
15		

FIG.16

17/59

	1 byte0~byte4)	.00	ID (Block #(.ot_Number	Lot_N	Media_ID
Byte7	Byte6	Byte5	Byte4	Byte3	Byte2	Byte1	Byte0

18/59

LSB	D4
	P4
	D3
	P3
	D2
	P2
	10
MSB	P 1

P1 = 1 + D1 + D3 + D4

P2 = 1 + D1 + D2 + D4

P3 = 1 + D1 + D2 + D3

P4 = 1 + P1 + D1 + P2 + D2 + P3 + D3 + D4

• EXCLUSIVE OR

HEX.	HAMMING BASE 8/4 BINARY
0	10101000
1	00001011
2	00100110
3	10000101
4	10010010
5	00110001
6	00011100
7	10111111
8	01000000
9	11100011
Α	11001110
В	01101101
С	01111010
D	11011001
E	11110100
F	01010111

FIG.20

LOW	HIGH
04h	00h

Offset Address (Byte)				
0	Keyword	KEY CODE FOR REWRITING BLOCK NO. 0002	K NO. 0002	
-	Code	FFH AND FEH FIXED VALUES		·
2	Application	APPLICATION NAME		
	Name			
	જ			
12	Version			
13	WriteProtect	0:Write Enable 1:Write Disable		
14	Country	COUNTRY NO. (BCD) EX. UNDEFINED 00h JAPAN 00h USA 00h	OH JAPAN 00h USA	9
15	Number	0	00h 81h	01h

#0003 0030 #0004 0040 #0005 0050	30									•	•	()	,	,	1	-
		v		·				0	Cassette ID	e ID							
	40				^	\ \				ũ	ata Ba	Data Base Key					
	0900								> <	\							
0900 9000#	09							Title									^
#0000 0000#	02							Ac	Administrator	rator	:						
#0008 0080	80		Seria	Serial No.							Mode	Model Name	6				
0600 6000#	06	Pointe	ter	EOSR_ID		RS	RT		EOS Point	oint		Thread	ead		ηD	Update	
#000A 00A0	40	DataTOPP	ОРР	FAT	FAT Definition	tion			Res	Reserve			FQ		ADS	ADStatus	
#000B 00B0	30							_	Data Area	ea.			:				
→									→								

Byte0	Byte1	Byte2	Byte3
LL	LH	HL	HH (NUMBER OF SIGNIFICANT DIGITS)

FIG.24

BYTE0	BYTE1
L	н
Max. I	FFFFh

MSB7	9	5	4	3	2	-	LSB0
NOT YET MEASURED	TOP/ END	(N EOT)	END OF TAPE	CASSETTE SIZE 00:S,01:M,10:L	TE SIZE :M,10:L	Res	eserve

TAPE STATUS	Bit6	Bit4
ТОР	0	1
MIDDLE	0	0
END	1	1

27/59

	MSB 7	9	ß	4	က	2	-	LSB 0
DATA-1	R	DF	10	10F			1F	
DATA-2			10S			1	15	
DATA-3			10M			1	1M	
DATA-4			10	10H		1	1H	

 $\underline{\mathbf{t}}^{i_{k-1}}$

BYTE0	BYTE1
L	н
Max.	7FFFh

Block No.	Address	0	_	~	က	4	5	9	7	œ	თ	A	Ф	ပ	٥	Е	LL.
6000#	0600	00	90	8	8	8	8	8	8	00	00	20	00	19	98	05	90
#000A	00A0	00	8	8	8	8	00	8	8	00	00	00	00	00	00	00	8
#000B	0000	01	00	15	59	59	23	00	00	00	00	00	00	00	8	00	8

BYTE0	BYTE1
L	н
Max. I	FFFFh

31/59

Offset Address	MSB 7	9	വ	4	က	2	-	LSB 0
0			Rese	Reserved			Pscked F	Pscked FAT Count
-			Stored	FAT Coun	Stored FAT Count (LOWER 8 bits)	8 bits)		
2			Stored	FAT Cour	Stored FAT Count (UPPER 8 bits)	8 bits)		

MSB7	9	5	4	3	2	-	LSB0
Interrace Mode	Reserve	Rec	ecording Bit Rate	late	Recording V	ng Video Fre	ednency

Offset	MSB							LSB
Address	7	9	2	4	ო	2	-	0
0		AUDIO Sta	AUDIO Status(CH-2)			AUDIO Sta	AUDIO Status(CH-1)	
-		AUDIO Sta	AUDIO Status(CH-4)			AUDIO Sta	4UDIO Status(CH-3)	
2		AUDIO Sta	AUDIO Status(CH-6)			AUDIO Sta	AUDIO Status(CH-5)	
က		AUDIO Sta	AUDIO Status(CH-8)			AUDIO Sta	AUDIO Status(CH-7)	

34/59

F				ū								
П				Positio								
D				Stocked Position								
ပ				St								
8				tep								
A		_	e e	Stocked Step	No.							
6	Format	Version	le Nam	Sto								
8			EDL File Name			Reserve	Reserve		Comment			 →
7				ġ.		Res	Res		Com	۸		
9				Shelf I								
9	mat ID			Stocked Shelf No.								
4	ea For			Stc								
3	led Ar		Vame									
2	Extended Area Format ID		Reel Name	-	ď							
1				Stocked	Floor No.							
0	V			0,	Ŀ			\ \ V				
Address	0800		0000	0000		00E0	00F0	0100	0110	0120	0130	→
Block No. Address	#000B		3000#	Q000#		#000E	#000F	#0010	#0011	#0012	#0013	-

	7	4	4	4	က	4	-	-	4	4	Max.53	Max.53 ARBITRARY (Bytes)	ytes)
	Status	CUE	Point	OUT Point	Scene No.	So.	Take No.	Re- Served	Real Time	Date	aiwin	Additional Information	
Bit NO	NOS.15 14 13,,	0											

FIG.36

us CUE DATA	00h
Status	ر (

36/59

Status	റാ	CUE DATA		IN DAT	ιTΑ		OUT DAT	DATA	
07h 00h									

Classification DataSize (UPPER)

Data

DataSize (LOWER)

38/59

	,	,				
LSB 0			4 Bits)			
•			t (UPPER			
2		1 1 1 1 1 1 1 1	Data Byte Count (UPPER 4 Bits)	8 Bits)		
က	ation+0	1	Data B	Data Byte Count (LOWER 8 Bits)	ata0	a a
4	Classification+0	; ; ; ; ; ;	Mode	rte Count	Data0	DataN
သ		, , , , , , , , , , , , , , , , , , ,	Mo	Data B		
9		1 1 1 1 1 1 1 1 1	Flow			
MSB 7			Delimiter 1:Limit		- Andrews - Andr	
	Classifi- cation	Classifi- cation+N	Flow/Mode Delimiter /Data B.C. 1:Limit	Data B.C.		

39/59

	1	User	4
		Org	4
	32 Bytes)	County Org User	4
tes)	Signature Metadata (32 Bytes)	Spatial Coordinates	12 Bytes
Extended UMID (64 Bytes)	<u> </u>	Time/ Data	8 Bytes
Extende	Bytes)	Material Number	16 Bytes
	Basic UMID (32 Bytes)	Inst No.	ــ
	Sic		
	B	Universal Label	12 Bytes

FIG.41

Tit	me Snap(c	lata omitte	∍d)	Ri	nd
Frame	Second	Minute	Hour	Lower	Upper

"大事好人"

41/59

Cnič	ersal	=	ıstance	a)						2	ateria	Material Number (16 Bytes)	er (16	Bytes	(c					
La	bel	Z	lumber	_			Tim	Time Snap (8 Bytes)	(8 By	rtes)			Rnd	p	_	Machine Node (6 Bytes)	ne Noc	je (6 E	ytes)	
11th	12th	wol	mid	dn	Frame	Sec	Min	Hour	MJDI	MJDm	MJDu	Sec Min Hour MJDI MJDm MJDu Tzone Low up	Low	dn	1st	1st 2nd 3rd 4th 5th	3rd	4th		msd
0	1	2	ဗ	4	5	9	2	8	6	10	11	12	13	14	15	16	17 18	18	19	20

42/59

	User		50
	Country Organi-	zation	45
ytes)	Country	Code	
data(32 B		atitude	40
Signature Metadata(32 Bytes)	Spatial coordinate(12)	Altitude Longitude Latitude	35
Signat	Spatial	Altitude I	30
	Time/Data stamp(8)	Data	25
	Time/Data	Time	
		ne Node (6)	20
rtes)	mber (16)	And Machine Node (6)	15
asic UMID(21 By	Aaterial Nu	lap (8)	10
Basic U	M	Time Snap (8)	9
	Instance	Number	
	U.L	12,3	0

4D 80 16 01 05 01 02 00 00 00 00 00 54 68 65 20 54 65 6C 65 2D 46 69 6C 65	13 ASCII CHARACTERS
8	LENG
01 05 01 02 00 00 00 00	MAIN TITLE CODE
4D 80 16	HEADER
5	Out 01:05:
06 10 00 00 00 01 00 00 05	In 01:00:
06 10	FLAG

65		
၁		
69	9 E	
46	θF.	
2D	69	
65	74	
ည	19	
65	63	
54	69	
20	ည္ဟ	
65	2	
89	2	
54	4	Ħ
9	0B	5
8	8	8
8	8	8
8	8	8
8	8	9
05	33	03
5	5	5
05	05	5
0	2	94

	:	:	
	20	၁၀	
	65	20	
	98	70	
ᄪ	54	4	
5	9	0B	
8	8	8	
8	8	8	
8	8	8	
40	8	8	
83	05	03	
5	5	5	
5	05	05	
4	10	5	
0B	16	14	
80	80	80	
40	40	40	
8	5	6	2
28	8	05	10
30	8	8	8
8	00	8	8
9	9	9	8
2	5	5	2

Flag1 [bit2,1]	Universal Label(12 Bytes)	es)			Instance	псе	Time Snap(8 Bytes)	e Sn	ab(ε	By	rtes	(BND	=	lachi	ne N	ode(6	3 Byt	es)	Machine Node(6 Bytes) Signature Meta	Meta
Least [01]	#06 #0A #2B #34 #01 #01 #01 #01 #01 #01	f01 p	d	(d)	d C	۵			Ω.	۵	đ	ď			_	۵	٥	d	d	p for Extended	nded
Basic [10]	#06 #0A#2B #34 #01 #01 #01 #01 #01 #01	£01	74	#13																	
extended [11]	extended [11] #06#0A#2B #34 #01 #01 #01 #01 #01	£01	7	#33																_	

3FF	000	000 0	2D8			:	···EAV					
000	3FF	3FF	2F0	2F0 101	120	:	ANC 1	for Me	eta-da	ıta, da	ıta coı	··· ANC for Meta-data, data count=32
206	10A	22B	134	101	101	5	101	101	1 0	104	211	22B 134 101 101 101 101 101 104 211universal label
113												···length
200	200	200										··· instance
129	152	259	110	295	244	205	197					···time snap
1DF	130											··· random
189	227	200	102	104	143							··· machine node

		_	···main title	_		_	
		200	mair	200	itle	200	Se
		200	:	200	··· sub title	200 200	··· frames
		200	265	200 200 200 200	:		:
	nt=76	101 205 101 102 200 200	26C			104	
	a cou	102	769	101 205 101 203	16E	203	
	a, dat	101	146	101	26F	104 101 101	
	ta-dat	205	22D	205	269	101	
	··· ANC for Meta-data, data count=76	5	265 22D 146 269	5	274	104	
···SAV	ANC f	101 101	26C	5	161	101	
ì	:	101	265	101	263	101	
	14C	101	154	101	269	101	
	5	101	120	101	26C	101	
2AC	2F0	134	265	134	170	134	
000	3FF	22B	168	22B	170	22B	
000	3FF	10E	154	10E	241	10E	21E
3FF	000	206	9	206	10B	206	101

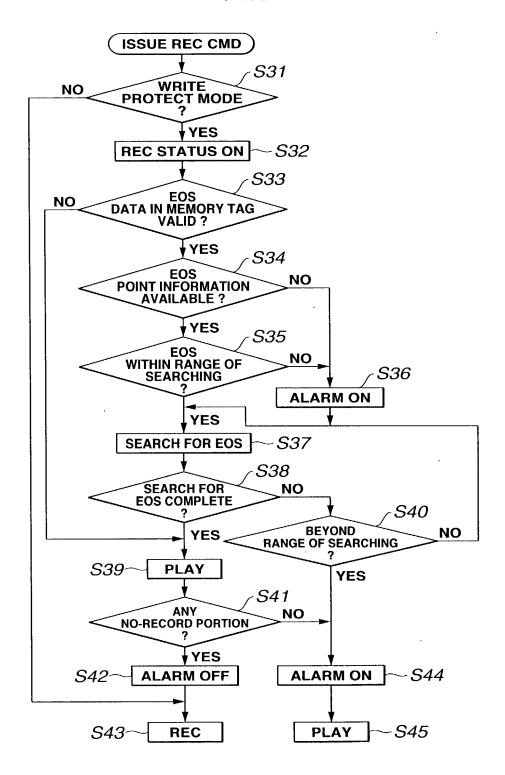
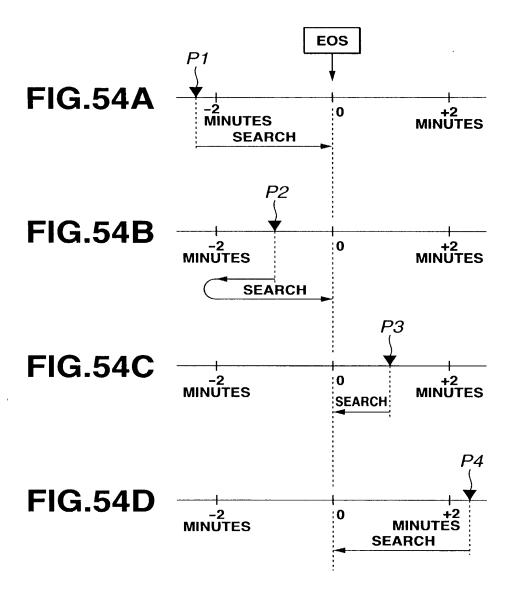


FIG.53

52/59



1 THE 2 P. LEWIS CO., LANSING

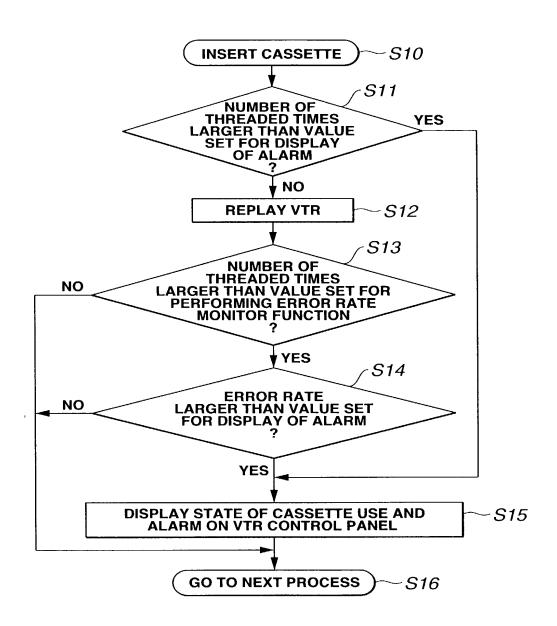


FIG.55

TAPE ID	TITLE	INTENDED USE	NUMBER OF THREADED TIMES	JUDGE	COMMENT
HD-10001	FROM SOUTHERN COUNTRY	LIBRARY	9	EXCELLENT	
D2-22029	D2-22029 OSAKA KIN-YU-DO	DRAMA	20	FAIR	
SX-23478	"MIMI-NO-KUNI" WORDS OF PRIME MINISTER HAYASHI	SHARING	100	NOT	TO BE VOIDED ON JUNE 19,2000
IMX-67870	MX-67870 K2 GRAND PRIX	SHARING	20	G00D	

55/59

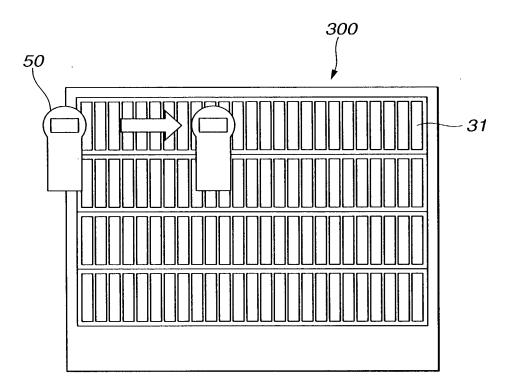


FIG.57

1 3/4 MA 1 6 14

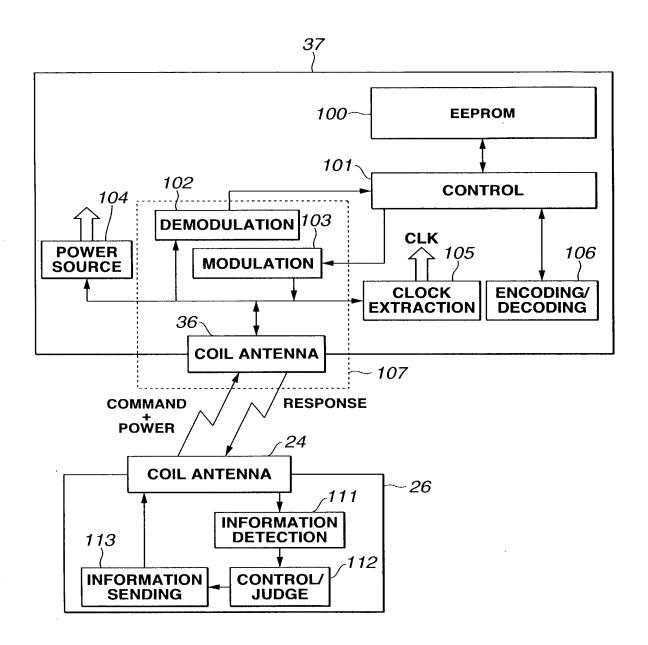


FIG.58

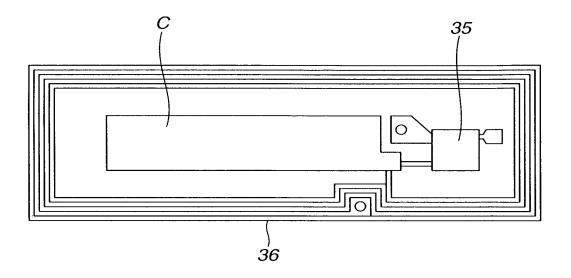


FIG.59

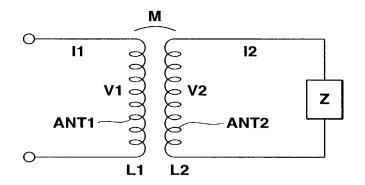
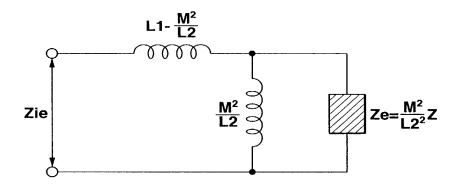


FIG.60



Zie =
$$j_{\omega}(L1 - \frac{M^2}{L2}) + \frac{1}{\frac{L2}{j_{\omega}M^2} + \frac{L2^2}{M^2Z}}$$

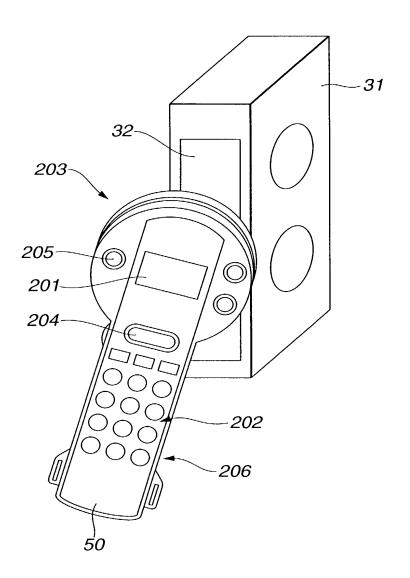


FIG.62